Montana Department of
ENVIRONMENTAL QUALITY
Judy Martz, Governor
P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.state.mt.us

MAILED
12-24-03 gh

October 23, 2003

Mr. John Rundquist
Public Works Director
City of Helena
316 North Park Avenue
Helena, MT 59623

Dear Mr. Rundquist:

The Solid Waste Program received the September, 2003, groundwater monitoring results on October 22, 2003. It was assigned to Patricia Potts for review. I anticipate that you will receive a response from Ms. Potts within 90 days.

If you have any questions on the review status or the results, please contact Ms. Potts directly at 406-444-0538, or by email at ppotts@state.mt.us. If you have any other issues or questions, please contact me at 406-444-5345, or at rithompson@state.mt.us.

Sincerely

Patrick Cromley for

Rick Thompson, Supervisor
Waste Management Section
Community Services Bureau

INVITED

Montana Department of
ENVIRONMENTAL QUALITY
Judy Martz, Governor
P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.state.mt.us

MAILED
10-20-03 JH

October 17, 2003

Mr. John Rundquist
Public Works Director
City of Helena
316 North Park Avenue
Helena, MT 59623

Dear Mr. Rundquist:

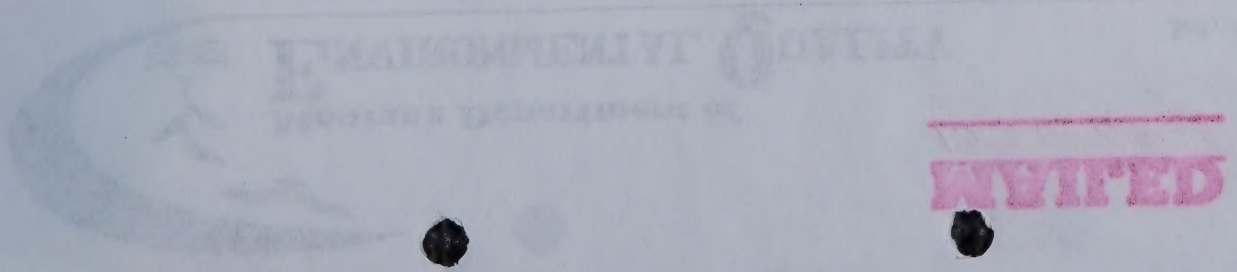
The Solid Waste Program received the March and June, 2003 groundwater statistical evaluation on October 16, 2003. It was assigned to Patricia Potts for review. I anticipate that you will receive a response from Ms. Potts within 90 days.

If you have any questions on the review status or the results, please contact Ms. Potts directly at 406-444-0538, or by email at ppotts@state.mt.us. If you have any other issues or questions, please contact me at 406-444-5345, or at rithompson@state.mt.us.

Sincerely

Rick Thompson

Rick Thompson, Supervisor
Waste Management Section
Community Services Bureau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Montana Department of
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Judy Martz, Governor
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MAILED
10-06-03 JH

October 6, 2003

John Rundquist
City of Helena
316 North Park
Helena, Montana 59623

RE: LEWIS & CLARK COUNTY, CITY OF HELENA CLASS II (CLOSED) LANDFILL – LICENSE NO. 90
GROUND WATER MONITORING – RECEIPT AND REVIEW OF THE JUNE 2003 SAMPLING EVENT.

Dear Mr. Rundquist:

The Department has reviewed the data from the June 2003, ground water monitoring event conducted at the City of Helena (closed) Landfill. In general, chemical contaminant concentrations (volatile organic compounds) have decreased since the December 2002 sampling event. It does appear the new construction and roadwork in this vicinity has taken its toll on the natural ground water quality.

This submittal meets the requirements of the Administrative Rules of Montana Title 17, Chapter 50, Subchapter 7.

I may be contacted at the Permitting and Compliance Division, Community Services Bureau, Waste Management Section, phone (406)444-0538.

Sincerely,

Pat Potts
Environmental Specialist– Solid Waste Program

cc: Jodi Bingham, Hydrometrics, Inc., Helena, MT

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INVITED

INITIALS 9/26/03 DATE 3

SW OUTGOING CORRESPONDENCE

NEW APPLICATION	Initial / Date
Janet H	
Rick T	
HAC	

INSPECTIONS	Initial / Date
Pat C	
Janet H	
Rick T	
HAC	

CLOSURES	Initial / Date
Pat C	
Janet H	
Rick T	
HAC	

FEES	Initial / Date
Janet H	
Rick T	
HAC	

COMPLAINTS	Initial / Date
Pat C	
Janet H	
Rick T	
HAC	

GROUND WATER	Initial / Date
Pat C	MC 9/26
Janet H	JH 9/29
Rick T	RT 10/6/03

GEN CORRESPONDENCE	Initial / Date
Pat C	
Janet H	
Rick T	

MISCELLANEOUS	Initial / Date

Lewis + Clark Co
City of Helena #90
grd wtr mon (corresp)

#93

MAILED
9-08-03 gh

Montana Department of
ENVIRONMENTAL QUALITY
Judy H. Martz, Governor
P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.state.mt.us

September 3, 2003

Mr. John Rundquist
City of Helena
316 North Park Avenue
Helena, MT 59023

Subject: City of Helena Landfill - Quarterly Ground Water Monitoring Schedule.

Dear Mr. Rundquist;

The Solid Waste Program received your Ground Water Monitoring Schedule on September 2, 2003. It was assigned to Ms. Pat Potts for review. I anticipate that you will receive a response from Pat within seven (7) days.

If you have any questions on the status of the review, please contact Pat at 406-444-0358 or by email at, ppotts@state.mt.us. If you have any other questions please contact me at 406-444-5345, or at rithompson@state.mt.us.

Sincerely,

Rick Thompson

Rick Thompson, Supervisor
Waste Management Section
Community Service Bureau

CityofHelenaGWsch.doc

DIVIDED

Montana Department of
ENVIRONMENTAL QUALITY
Judy Martz, Governor

P.O. Box 200901 • Helena, MT 59620-0901 • (406) 444-2544 • www.deq.state.mt.us

MAILED
8-27-03 gh

August 25, 2003

Mr. John Rundquist
City of Helena
316 North Park Avenue
Helena, MT 59023

Subject: City of Helena Landfill - June 2003 Ground Water Monitoring Report

Dear Mr. Rundquist;

The Solid Waste Program received your June 2003 Ground Water Monitoring Report on August 18, 2003. It was assigned to Ms. Pat Potts for review. I anticipate that you will receive a response from Pat within ninety (90) days.

If you have any questions on the status of the review, please contact Pat at 406-444-0358 or by email at, ppotts@state.mt.us. If you have any other questions please contact me at 406-444-5345, or at rithompson@state.mt.us.

Sincerely,

Rick Thompson

Rick Thompson, Supervisor
Waste Management Section
Community Service Bureau

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

STATISTICAL EVALUATION OF SEPTEMBER 2003 AND DECEMBER 2003 GROUNDWATER QUALITY DATA

MARCH 2004

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 5

RECEIVED 4/8/2004

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

RESULTS OF DECEMBER 2003 GROUNDWATER SAMPLING

MARCH 2004

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 5

RECEIVED 3/5/2004

Lewis + Clark Co
City of Helena #90
grd wtr mon (corresp)

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consulting scientists and engineers

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Helena, MT 59601
(406) 443-4150
Fax: (406) 443-4155
www.hydrometrics.com

RECEIVED
NOV 26 2003
MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

November 25, 2003

Ms. Pat Potts
Montana Department of Environmental Quality
Permitting and Compliance Division
WMD / SWP
P.O. Box 200901
Helena, MT 59620

Dear Pat,

Enclosed for your review are the proposed monitoring sites and analytical schedule for the December 2003 semiannual groundwater monitoring at the Helena Landfill. There are no changes from the June 2003 sampling regime. Please call if you have any questions or comments.

Sincerely,

Jodi Bingham, P.E.
Environmental Engineer/Chemist

c: John Rundquist, City of Helena
Mike Wignot, Hydrometrics

HELENA LANDFILL
DECEMBER 2003 SAMPLE SITE AND PARAMETER LIST

Site Name	Parameter
Monitoring Wells [1]	
83-6	Table 1
HL-94-1	Table 1
I-1	Table 1 VOC's only
HL-94-2	Table 1
HL-90-3	Table 1
HL-90-3 (duplicate)	Table 1
INF. GALLERY	Table 1 VOC's only
HL-94-3	Table 1
MPC-2	Table 1 VOC's only
HL-90-2	Table 1
HL-99-3	Table 1
EPA-1	Table 1
HL-99-2	Table 1
MPC-1	Table 1
MPC-5	Table 1
HL-99-1	Table 1
I-4	Table 1 VOC's only
HL-90-1	Table 1
Residential Wells:	
5	Table 1 VOC's only
16	Table 1 VOC's only
40	Table 1 VOC's only
48	Table 1 VOC's only
52	Table 1 VOC's only
57	Table 1 VOC's only
62	Table 1 VOC's only
90	Table 1 VOC's only
Quality Control:	
Trip Blank	Table 1
Rinsate Blank	Table 1

(1) Monitoring wells are listed in the order to be sampled.

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

RESULTS OF SEPTEMBER 2003
GROUNDWATER SAMPLING

OCTOBER 2003

IS LOCATED IN THE GROUNDWATER
MONITORING REPORTS ARCHIVE,
BOX NUMBER 5

RECEIVED 10/22/2003

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

STATISTICAL EVALUATION OF MARCH 2003 AND JUNE 2003 GROUNDWATER QUALITY DATA

OCTOBER 2003

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 5

RECEIVED 10/16/2003

City of Helena

CITY OF HELENA
Public Works - Solid Waste
316 North Park Avenue
Helena, MT 59623
Telephone: 406/447-1586

September 19, 2003

RECEIVED
SEP 22 2003
MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

Mr. Patrick Crowley
Solid Waste Regulatory Program Manager
P.O. Box 200901
Helena, MT 59620-0901

Re: License #90/Methane

Dear Mr. Crowley,

The monitoring wells that were lost during construction of the Lyndale/North Main project are scheduled to be replaced the week of September 22-26, 2003. We were also able to relocate the upstream ground water monitoring well 83-6 and found it to be in good condition. This well has been extended to the surface of the new parking lot of the Great Northern Town Center.

If you have any questions, feel free to call me at (406) 447-1566.

Sincerely,

Bill Michalson

Bill Michalson
Solid Waste/Streets Superintendent

BM:kc

90
L+C
County
Facility 2 # Helena
Closure
Finan Assur
GW Corr Meas
GW Monitoring
GW Reports
Inspections
Other:
Landfarm
Liner
Methane
O & M
Run - On
Both files please

Lewis & Clark Co
City of Helena #90
grd wtr mon (corr. m

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www.hydrometrics.com

RECEIVED
SEP 02 2003
MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

August 28, 2003

Ms. Pat Potts
Montana Department of Environmental Quality
Permitting and Compliance Division
WMD / SWP
P.O. Box 200901
Helena, MT 59620

Dear Pat,

Enclosed for your review are the proposed monitoring sites and analytical schedule for the September 2003 quarterly groundwater monitoring at the Helena Landfill. Well 5 is being sampled as part of the City's Action Plan for tetrachloroethene (PCE) in downgradient domestic wells. Please call if you have any questions or comments.

Sincerely,

Jodi Bingham, P.E.
Environmental Engineer/Chemist

c: John Rundquist, City of Helena
Mike Wignot, City of Helena

K:\PROJECT\1273\HLLNDFL\L-POTTS0903.Doc\\8/28/03\027\0448\0153

8/28/03 3:17 PM

HELENA LANDFILL
SEPTEMBER 2003 SAMPLE SITE AND PARAMETER LIST

Site Name	Parameter
Monitoring Wells [1]	
HL-99-3	Table 1 VOC's only
HL-99-2	Table 1 VOC's only
HL-99-1	Table 1 VOC's only
HL-90-1	Table 1 VOC's only
5	Table 1 VOC's only

(1) Wells are listed in the order to be sampled.

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

RESULTS OF JUNE 2003 GROUNDWATER SAMPLING

AUGUST 2003

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 5

RECEIVED 8/18/2003

90 County L+C

Facility & # Helena

Closure
Finan Assur
GW Corr Meas
GW Monitoring
GW Reports
Inspections
Other:

Landfarm
Liner
Methane
O & M
Run - On

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MAY 30 2003
MT Dept.Environmental Quality
Permitting & Compliance Division
Air & Waste Management Bureau

May 29, 2003

RECEIVED
JUN 02 2003
MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

Ms. Pat Potts
Montana Department of Environmental Quality
Permitting and Compliance Division
WMD / SWP
P.O. Box 200901
Helena, MT 59620

Dear Pat,

Enclosed for your review are the proposed monitoring sites and analytical schedule for the June 2003 semiannual groundwater monitoring at the Helena Landfill. There are no changes from the December 2002 sampling regime. Please call if you have any questions or comments.

Sincerely,

Jodi Bingham, P.E.
Environmental Engineer/Chemist

c: John Rundquist, City of Helena
Mike Wignot, Hydrometrics

HELENA LANDFILL
JUNE 2003 SAMPLE SITE AND PARAMETER LIST

Site Name	Parameter
Monitoring Wells [1]	
83-6	Table 1
HL-94-1	Table 1
I-1	Table 1 VOC's only
HL-94-2	Table 1
HL-90-3	Table 1
HL-90-3 (duplicate)	Table 1
INF. GALLERY	Table 1 VOC's only
HL-94-3	Table 1
MPC-2	Table 1 VOC's only
HL-90-2	Table 1
HL-99-3	Table 1
EPA-1	Table 1
HL-99-2	Table 1
MPC-1	Table 1
MPC-5	Table 1
HL-99-1	Table 1
I-4	Table 1 VOC's only
HL-90-1	Table 1
Residential Wells:	
5	Table 1 VOC's only
16	Table 1 VOC's only
40	Table 1 VOC's only
48	Table 1 VOC's only
52	Table 1 VOC's only
57	Table 1 VOC's only
62	Table 1 VOC's only
90	Table 1 VOC's only
Quality Control:	
Trip Blank	Table 1
Rinsate Blank	Table 1

(1) Monitoring wells are listed in the order to be sampled.

CLOSED
CITY OF HELENA LANDFILL
LICENSE NUMBER 90

HYDROMETRICS

RESULTS OF MARCH 2003 GROUNDWATER SAMPLING

APRIL 2003

IS LOCATED IN THE GROUNDWATER MONITORING REPORTS ARCHIVE, BOX NUMBER 5

RECEIVED 4/17/2003

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consulting scientists, engineers, and contractors

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(406) 443-0760 S. Bldg.
(406) 443-4155 W. Bldg.
www.hydrometrics.com

RECEIVED
MAR 03 2003
MONTANA
DEPT. OF ENVIRONMENTAL QUALITY
COMMUNITY SERVICES BUREAU

February 27, 2003

Ms. Pat Potts
Montana Department of Environmental Quality
Permitting and Compliance Division
WMD / SWP
P.O. Box 200901
Helena, MT 59620

Dear Pat,

Enclosed for your review are the proposed monitoring sites and analytical schedule for the March 2003 quarterly groundwater monitoring at the Helena Landfill. Well 5 is being sampled as part of the City's Action Plan for tetrachloroethene (PCE) in downgradient domestic wells. Please call if you have any questions or comments.

Sincerely,

Jodi Bingham, P.E.
Environmental Engineer/Chemist

c: John Rundquist, City of Helena

ORIGINAL

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2/27/03 4:10 PM

HELENA LANDFILL
MARCH 2003 SAMPLE SITE AND PARAMETER LIST

Site Name	Parameter
Monitoring Wells [1]	
HL-99-3	Table 1 VOC's only
HL-99-2	Table 1 VOC's only
HL-99-1	Table 1 VOC's only
HL-90-1	Table 1 VOC's only
5 @ Custer + Benton? "Colvin"?	Table 1 VOC's only

(1) Wells are listed in the order to be sampled.